

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1 - (currently amended) A Planar planar antenna realised on a substrate ~~(2)~~ comprising a slot ~~(1)~~ of closed shape dimensioned to operate at a given frequency in a short-circuit plane of at least one feed-line ~~(3, 4)~~, characterized in that the perimeter of the slot is being selected such that $p = k\lambda s$ where k is an integer greater than 1 and λs the guided wavelength in the slot, ~~and in that it comprises at least~~ said antenna comprising a first feed-line ~~(3)~~ placed in an open circuit zone of the slot and a second feed-line ~~(4)~~ placed at a distance $d = (2n+1) \lambda s/4$ from the first line, where n is an integer greater than or equal to zero.

2 – (currently amended) The Antenna antenna according to of claim 1, characterized in that wherein each feed-line terminates in an open circuit and is coupled to the slot according to a line/slot coupling such that the length of the line after the transition equals $(2k'+1)\lambda m/4$ where λm is the guided wavelength under the line and k' a positive or null integer.

3 – (currently amended) The Antenna antenna according to of claim 1, characterized in that wherein each feed-line is coupled to the slot according to a line/slot coupling with a microstrip line terminated by a short-circuit located at $(2k'+1)\lambda m/4$ where λm is the guided wavelength under the line and k' a positive or null integer.

4 – (currently amended) The Antenna antenna according to of claim 1, characterized in that wherein each feed-line is coupled magnetically to the slot according to a tangential line/slot transition.

5 – (currently amended) The Antenna antenna according to one of claims 1 to 3, characterized in that claim 1, wherein the feed-lines are realised in microstrip technology, coplanar technology or by a coaxial cable.

6 – (currently amended) The Antenna antenna according to any one of the above claims, characterized in that of claim 1, wherein the shape of the slot is an annular (1), square (40), rectangular (10, 20), polygonal (30), shape or is in a clover leaf form (50).

7 – (currently amended) The Antenna antenna according to of claim 6, characterized in that wherein for a slot of rectangular shape (20), the feed-lines (21, 22) are equidistant from an axis of symmetry (x, x') of the slot.

8 – (currently amended) The Antenna antenna according to claim 6, characterized in that of claim 6, wherein for a slot of rectangular shape (20), one of the feed-lines (21, 22) is positioned according to an axis of symmetry (x, x') of the slot.

9 – (currently amended) The Antenna antenna according to any one of the above claims, characterized in that it is of claim 1, where the feed lines are connected to a transmission/reception means enabling a diversity of reception.